

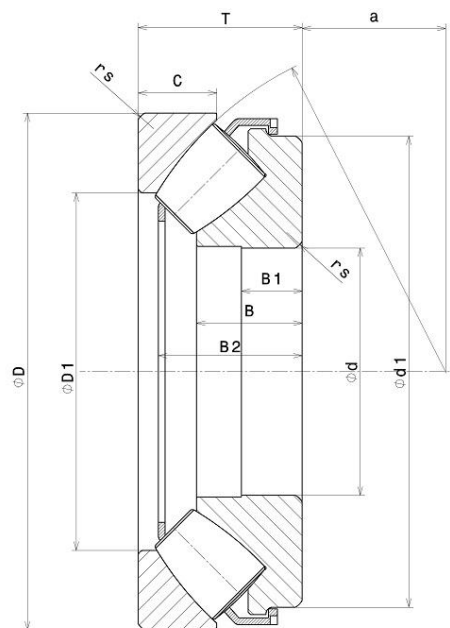
Technical data

29420E

Thrust spherical roller bearings



VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter of shaft washer	100 mm
D - Housing washer outer diameter	210 mm
D1 - Inner diameter housing washer	144,5 mm
d1 - External diameter shaft washer	189,8 mm
T - Thrust bearing height	67 mm
C - Housing washer width	32 mm
B - Shaft washer width	43 mm
B2 - Distance large face of shaft washer / metal cage	58 mm
a - Charge load application point	62 mm
Cage material	Tôle
Mass	10,8 kg

PRODUCT PERFORMANCE

Ca - Dynamic axial load rating	856000000 mN
C0a - Static axial load rating	2560000000 mN
Cua - Limit axial load rating	273000000 mN
N lim - Oil lubrication limit speed	9600 °/s
N ref - Reference thermal speed	10800 °/s
N lim - Mechanical Limit Speed	18600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	473,15 °K

BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	7.11 Hz
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BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	8.89 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.446 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.723 Hz
FTF - Rotational frequency - cage (60 rpm)	0.444 Hz

ABUTMENT

ras max - Max shaft & housing fillet radius	2,5 mm
rs - Min fillet radius	3 mm
Da max - Max shoulder diameter OR	175 mm
da min - Min shoulder diameter IR	150 mm
db1 - Maximum diameter of the shaft washer shoulder	110 mm
db2 - Max spacer diameter	110 mm

